

PCT

JCSO Rec'd PCT/PTO 26 MAR 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: MAX

Application No.: 10019691

Filed: January 3, 2002

Group: (Unknown)

Examiner: (Unknown)



Title: CONTROLLED COOLING OF
INPUT WATER BY DISSOCIATION OF
HYDRATE IN AN ARTIFICIALLY
PRESSURIZED ASSISTED
DESALINATION FRACTIONATION
APPARATUS

* * * *

March 26, 2002

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents
Washington, D. C. 20231

Sir:

Attached is a Form PTO-1449 listing the enclosed documents.

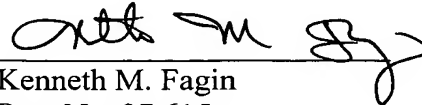
This Information Disclosure Statement is being filed before the issuance of a first
Office Action.

This Information Disclosure Statement is intended to be in full compliance with the
rules, but should the Examiner find any part of its required content to have been omitted,
prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f),
to enable Applicant to comply fully.

Consideration of the foregoing and enclosures plus the return of a copy of the herewith Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 along with an early Action on the merits of this application are earnestly solicited.

Respectfully submitted,

PILLSBURY WINTHROP LLP



Kenneth M. Fagin

Reg. No. 37,615

Phone: (703) 905-2066

KMF:emg
1600 Tysons Boulevard
McLean, VA 22102
Tel. (703) 905.2000
Fax: (703) 905.2500

Atty.
Dkt. No.

M#

Client Ref.

283222

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: MAX

Appln. No.: 10/49,691 10019691

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Examiner: (Unknown) Group Art Unit: (Unknown)

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR 6,180,843 B1	01/2001	Heinemann et al.			
	BR 6,028,234	02/2000	Heinemann et al.			
	CR 6,245,955 B1	06/2001	Smith			
	DR 3,308,063	03/1967	Hess et al.			
	ER 3,350,299	10/1967	Hess et al.			
	FR 3,350,300	10/1967	Hess et al.			
	GR 3,856,492	12/1974	Klass			
	HR 3,892,103	07/1975	Antonelli			
	IR 3,983,032	09/1976	Hess et al.			
	JR 4,170,328	10/1979	Kirk et al.			
	KR 4,392,959	07/1983	Coillet			
	LR 4,643,832	02/1987	Iniotakis et al.			
	MR 4,652,375	03/1987	Heilweil et al.			
	NR 4,670,159	06/1987	Garrett et al.			
	OR 4,767,527	08/1988	Iniotakis et al.			
	PR 5,037,555	08/1991	Pasternak et al.			
	QR 5,076,934	12/1991	Fenton			
	RR 5,128,042	07/1992	Fenton			
	SR 5,512,176	04/1996	Blair			
	TR 5,679,254	10/1997	Chakrabarti			
	UR 5,816,057	10/1998	Dickey et al.			
	VR 6,296,060 B1	10/2001	McCaslin			

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
	WR JP55055125	04/1980	Japan	Kimura et al.	X			X
	XR JP61025682	02/1986	Japan	Iwasaki et al	X			X
	YR JP11319805	11/1999	Japan	O Yoshio	X			X
	ZR JP2000202444	07/2000	Japan	Akine	X			X
	AAR WO01/34267A1	05/2001	PCT	Gougel	X		X	
	BBR JP59029078	02/1984	Japan	Futami et al.	X			X
	CCR JP58109179	06/1983	Japan	Fuchigami et al.	X			X

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

DDR	Russian Abstract Publication No. 2166348, May 10, 2001, Mel'nikov et al.	X			X
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Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTQ-1449 (modified)
To: U.S. Department of Commerce
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Examiner: (Unknown)

Group Art Unit: (Unknown)

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	AR 6,106,595	08/2000	SPENCER			
	BR 5,873,262	02/1999	MAX ET AL.			
	CR 5,660,603	08/1997	ELLIOT ET AL.			
	DR 5,553,456	09/1996	MCCORMACK			
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	JR 3,119,772	01/1964	HESS ET AL.	210	711	
	KR 3,126,334	03/1964	HARLOW	210	711	
	LR 3,132,096	05/1964	WALTON	210	711	
	MR 3,148,143	09/1964	DONATH	210	711	
	NR 3,155,610	11/1964	WILLIAMS	210	710	
	OR 3,171,727	03/1965	BROWN	X62	532	
	PR 3,214,371	10/1965	TUWINER	62	532	

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	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
	QR SU997715	02/1983	Russia	Denisov et al	X			X
	RR SU1006378	03/1983	Russia	Smirnov et al.	X			X

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	SR	Rautenbach et al., Entwicklung und Optimierung eines Hydrat-Verfahrens zur Meerwasserentsalzung, Chemie-Ing.-Techn 45 jahrg. 1973/Nr. 5, pp. 259-254.							
	TR	Seliber, Methane Cooled Desalination Method and Apparatus, USPTO, Defensive Publication T939,007 - Published October 7, 1975							
	UR	Japanese Abstract, Journal Number: G0941AAK ISSN No: 0453-0683, 1995, vol. 42, No. 7. Accession Number: 95A0492545, File Segment: JICST-E							
	VR	EPO - Patent Abstracts of Japan Publication No. 61136481, Publication date 24-06-86, Muneschichi, Concentration of Aqueous Solution English language abstract.							
	WR	XP-002143497 SU1328298 English language abstract.							

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Group Art Unit: (Unknown)

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Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date
	AR 3,217,505	11/1965	TUWINER	X585	15	
	BR 3,243,966	04/1966	GLEW	X62	533	
	CR 4,821,794	04/1989	TSAI ET AL.	X62	59	
	DR 5,055,178	10/1991	SUGIER ET AL.	X585	15	
	ER 5,362,467	11/1994	SAKAI ET AL.	X62	532	
	FR 5,448,892	09/1995	CHENG	X62	532	
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	HR 3,712,075	01/1973	SMITH ET AL.			
	IR 3,813,892	06/1974	JOHNSON			
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	LR 4,678,583	07/1987	WILSON, III, ET AL.			
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	OR 4,718,242	01/1988	YAMAUCHI ET AL.			
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	VR 135,001	01/1873	MEYLERT			
	WR 3,371,035	02/1968	JACOBS ET AL.			
	XR 5,397,553	05/1995	SPENCER			

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YR					
ZR					
AAF					
BBF					
CCF					
DDF					
EEF					

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	AR 4,267,022	05/1981	PITCHER	203	100	
	BR 4,376,462	03/1983	ELLIOT ET AL.	166	267	
	CR 4,424,858	01/1984	ELLIOT ET AL.	166	52	
	DR 6,089,022	07/2000	ZEDNIK ET AL.			
	ER 6,112,528	09/2000	RIGBY			
	FR 6,158,239	12/2000	MAX ET AL.			
	GR 5,167,838	12/1992	WILENSKY			
	HR 4,278,645	07/1981	FILSS			

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	Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
	IR 1 320 134 GB	06/1973	GB	Webber et al.		X		X	
	JR WO 01/04056	01/2001	PCT	MAX	(with substitute sheets)	X		X	
	KR Sho 58-109179	6/1983	Japanese	Uchigami et al.		X		X	
	LR Sho 58-29078	2/1984	Japanaese	Nimi et al		X		X	

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MR	Max et al., "Extraction of Methane from Oceanic Hydrate System Deposits", Offshore Technology Conference, Paper No. 10727, pp. 1-8 (1999)				
NR	Max and Lowrie, "Oceanic Methane Hydrates; A "Frontier" Gas Resource", <u>Journal of Petroleum Geology</u> , Vol. 19(a), pp. 41-56 (January 1996)				
OR	Max and Dillon, "Oceanic Methane Hydrate: The Character of the Blake Ridge Hydrate Stability Zone, and the Potential for Methane Extraction," <u>Journal of Petroleum Geology</u> , Vol. 21(3), July 1998, pp. 343-357				
PR	Max, M.D., "Oceanic Methane Hydrate: The Character of the Blake Ridge Hydrate Stability Zone, and the Potential for Methane Extraction," Author's correction, <u>Journal of Petroleum Geology</u> , Vol. 22(2), pp. 227-228 (April 1999).				
QR	Max and Chandra, "The Dynamic Oceanic Hydrate System: Production Constraints and Strategies," Offshore Technology Conference, Paper No. 8684, pp. 1-10 (1998).				
RR	Max et al., "Methane-Hydrate, A Special Clathrate: Its Attributes and Potential," <u>Naval Research Laboratory</u> , NRL/MR/6101-97-7926, pp. 1-74 (February 28, 1997)				
SR	Max and Lowrie "Oceanic Methane Hydrate Development: Reservoir Character and Extraction," <u>Naval Research Laboratory (NRL)</u> , OTC 8300, pp. 235-240.				

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